

## Abstract

### Title

Use of thermal imaging camera in evaluation of kinezio taping impact on shoulder girdle for female volleyball players

### Objectives

Aim of this diploma thesis is to find out how kinezio taping affects the temperature of shoulder girdle during the physical load at female volleyball players' smash

### Methods

The thesis is divided into theoretical part which serves as a basis for research in the second empirical part. The complex will consist of a total of 16 female volleyball players. During the measurement we will examine the effect of kinezio taping on the temperature change of shoulder girdle during the physical activity using the thermal camera before and after a physical activity. And at the remaining eight players we will record the values before and after physical activity without applied kinezio tape.

### Results

Using the thermal imaging camera we found out that after application of kinezio tape the temperature in the shoulder girdle at rest rises gradually. The increase of temperature during physical load is in the reporting period lower with applied kinezio tape.

### Keywords

Thermal camera, kinezio taping, shoulder girdle, temperature, blood flow.